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EM/2000 Incident Recorder

## Illinois HazMat Report Incident #: H 2000 1879

Entered by Hugo Sullan on 10/03 at 08:40

Indigent Type:

Illinois HazMat Report

Data Input Status:

Open Close

Incident Lavel:

Incident Level: Main Incident O Sub-incident		
I. Caller: JAMES MASERANG	14. On Scene Contact: ALLAN FAUST	
2, Call back phonest: 618/271-3835	On Rosma Phona #: 618/482-8538	
3. Caller Represents: SOLUTIA INC.	15. No. Injured: NONE	
4. Type of Incident: LEAK OR SPILL	Where Taken:	
5. Incident Location	16. Public health risks and/or processions taken, including # oversated: NONE	
Street: 500 MONSANTO AVENUE		
City: SAUGET NEAR	17. Assistance needed from State Agencies: NONE	
County: ST. CLAIR		
Milepost:		
Sec.: Twp.: Range:		
6. Area Involved: FIXED FACILITY	<b>-</b>	
7. Material (s) Involved; CRUDE CHLORO	18. Containment/cleanup actions and plaus:	
BINZINE	UNKNOWN AT THIS TIME	
Material Typo: LIQUID	19. Weather, SUNNY	
CASH: UNK	Temp.; 70 deg. 9 Wind Dir. ESE / Speed 0 m.p.h.	
UN/NA#: UNK	The state of the s	
Is this a 302 (a) Extremely Hazardous Substance?		
UNKNOWN		
Is this a RCRA Hazardous Waste? UNKNOWN		
Is this a RCRA regulated facility? YES	· ·	
8. Container: OTHER:HOLDING TANK	20. Responsible Party; SOLUTIA INC	
Container Size: UNKNOWN	Contact Person: KEVIN EVERSMAN	
	Phone #: 618/482-6544	
9. Amount Released: UNKNOWN	Mailing Address: 500 MONSANTO AVENUE	
Rate of Release: /min.	SAUGET, IL 62206	
10. Cause of Release: RUPTURED GASKET		
11. Estimated Spill Extent: UNKNOWN	Notifications: IEPA/REGION 8	
12. Occurred - Date: 10/03/2000 Time: 0800	Tem Powell	
Dissovered - Date: 10/03/3000 Time: 08:00 /	7971 1000	
12 Burney Visio Commend WONE	On Scene - NONE	
13. Emergency Units Contacted - NONE Fire: -	Pire: -	
Police: -	Police:	
Sheriff: -	Police: -  Sheriti: -	
ESDA: -	ESDA: -	
Other: -	Other: -	
C VARIA	Vulet	

21. Narrative / Comments:

Illinois HazMat Report Incident #: 1879

To incident #: 1879





DATE:

October 5, 2000

TO:

Tod Rowe, Manager, Emergency Response Unit

FROM:

Cheryl Kelley - OCS/ERU - Collinsville

SUBJECT:

St Clair Co/ Sauget - Solutia Inc.

IEMA# 20001879

On October 3, 2000, Cheryl Kelley and Tom Powell conducted a site visit to Solutia Inc. for a crude chlorobenzene spill in concrete secondary containment in Sauget, IEMA# 20001879. The following are this inspector's comments.

- At Solutia this inspector and Mr. Powell met Rick Hampel, and Kevin Eversman and Guy Steensgard at the monochlorobenzene unit. A three inch pipe started dripping at a gasket on the Tank #411 pressure vessel which flows to tank #180, an organic holding tank. The capacity of tank #411 is 24,000 gallons. As of September 22, 2000 the unit was down for fall turn-around. Mr. Hampel stated the spill was contained within a concrete secondary containment. The spill entered a sump within the containment area. The sump used to go to the process sewer but recently had been concreted in. The liquids washed down and recovered by 8:45 a.m.
- The concentration of the crude chlorobenzene is 30% benzene, 55% monochlorobenzene, and 15% dichlorobenzene.
- On October 4, 2000, Mr. Hampel spoke to Mr. Powell at 2:10 p.m. Based upon observation & calculations, Solutia feels they have released to the environment the following three chemicals in excess of their reportable quantity. Release calculations based upon engineering estimates and gauging of the tank volumes.

	<u>Cnemical</u>	Amount released	
•	Benzene	637 lbs	(To air and land)
•	Chlorobenzene	1127 lbs	(Majority to land)
•	Para-dichlorobenzene	233 lbs	(Majority to land)

Mr. Hampel now suspects that the chemicals escaped through the cracks within the
concrete secondary containment. Their secondary containment structure has failed due to
cracks in the concrete.



Solutia Inc.

W.G. Krummrich Plant 500 Monsanto Avenue Sauget, Illinois 62206-1198 Tel 618-271-5835

October 9, 2000

CERTIFIED MAIL # 092-044-978
RETURN RECEIPT REQUESTED

Mr. Thomas Goin Illinois Emergency Services Disaster Agency 110 East Adams Street Springfield, IL 627067

RE: Incident # H2000-1879

Dear Mr. Goin:

RECEIVED
JEPA

O(7 1 7 2000

COLLINSVILLE OFFICE

On October 3, 1999, Solutia Inc. verbally reported a release of "Crude Chlorobenzene" from the W.G. Krummrich Plant located in Sauget, Illinois (reference ESDA Incident No. H2000-1879). We reported that the material was from our MCB ("Monochlorobenzene") department. We further reported that released material was contained, but that we were not yet certain as to the quantity or the extent of release to the environment. Our investigation has estimated that the following materials, and their estimated quantities, were released to the environment in amounts in excess of their respective "reportable quantity" ("RQ") amounts: 534 pounds of benzene to the ground; 103 pounds of benzene to the air; 1,156 pounds of chlorobenzene to the ground; 21 pounds of chlorobenzene to the air; 232 pounds of para-dichlorobenzene to the ground; 1 pound of para-dichlorobenzene to the air. This is the follow up written notice of the release from our Monochlorobenzene manufacturing operations.

- 1. Chemical names of all material released and if material is an extremely hazardous or CERCLA substance: A chemical release of benzene, chlorobenzene and para-dichlorobenzene occurred from our Monochlorobenzene manufacturing operations. The CAS number for these materials are 71-43-2; 108-90-7; 106-46-7; respectively. This release resulted from the failure of a gasket on a pipe flange connected to piping associated with a process tank. Benzene, chlorobenzene, and para-dichlorobenzene have CERCLA RQ values of 10 pounds; 100 pounds; and 100 pounds, respectively.
- 2. The quantity in pounds (not gallons) of material released and stored on-site: It is estimated that approximately 534 pounds of benzene to the ground; 103 pounds of benzene to the air; 1,156 pounds of chlorobenzene to the ground; 21 pounds of chlorobenzene to the air; 232 pounds of paradichlorobenzene to the ground; and 1 pound of para-dichlorobenzene to the air, were released. Equivalent gallons are 86 gallons of benzene, 128 gallons of chlorobenzene, and 22 gallons of paradichlorobenzene. Our normal storage of benzene and chlorobenzene at the plant site is typically 3 4 million pounds each, with a maximum storage of 5 6 million pounds with a maximum storage of 3 4 million pounds.
- 3. <u>The time and duration of the release:</u> The release occurred at approximately 5:30 PM on Monday, October 2, 2000, and was discovered and controlled at approximately 7:45 AM on Tuesday, October 3, 2000.

- 4. The data and time of the notification to the IESDA/LEPC: On October 3, 2000, the following notifications were made: the ESDA's for St. Clair County, East St. Louis, and St. Clair County LEPC were contacted between 9:10 AM and 9:30 AM. The Illinois ESDA was notified at 8:35 AM (Report # H2000-1879). The National Response Center was notified at 9:02 AM (Report 543998).
  - On October 4, 2000, the following notifications were made with updated information concerning the materials released: The Illinois ESDA was notified at 1:55 PM. The National Response Center was notified at 2:02 PM.
- 5. A contact person and telephone number for further notification: Please direct any questions regarding this incident or notice to Richard B. Hampel, Solutia Inc., 500 Monsanto Ave., Sauget, IL 62206-1198. Phone (618) 482-6549.
- 6. Please describe in detail the on-site and off-site areas affected by this release: The release occurred within a tank storage diked area. The liquid was released from the gasket/pipe flange to the concrete dike floor, subsequently draining to a sump within the dike and two small openings on the seams of the tanks foundation/dike floor. Unrecovered material escaped to the ground via the opening in the dike floor seam, and to the air via evaporation. No off-site areas are believed to be affected by this release.
- 7. Please describe in detail what actions were taken to respond and contain the release: The department was down for annual routine maintenance. While performing a routine inspection of work completion, discovery of the release was made at approximately 7:45 a.m. Solutia personnel obtained appropriate personal protective equipment and began to assess the situation. Various valves were closed, effectively isolating the leak. Operations personnel were notified, who in turn notified our Security department and subsequent agency notifications were made. Operations personnel further insured leak isolation by verifying various valve closures, and then connected various hosing for transfer of the dike sump contents and associated washdown water, to another process vessel.
- 8. Were any known or anticipated acute or chronic health risks associated with the release:

  Solutia is unaware of any acute or chronic injuries or health risks resulting from this release. Solutia personnel responding to the release wore proper Personal Protective Equipment.
- 9. <u>Is advice regarding medical attention necessary to treat or monitor individuals exposed to this release?</u> No, Solutia does not believe there was significant exposure.
- 10. <u>Please provide Standard Industrial Classification (SIC) code and number of employees:</u> The Solutia Krummrich Plant is subject to SIC codes 2819, 2865, 2869 and has 350 employees.

Sincerely,

cc:

Alan G. Faust ESH Team Lead

Rich Hangel for allan Faust

Mr. Darrell Elbe, St. Clair County ESDA, Certified Mail # 092 049 052

Mr. George Foster, East St. Louis ESDA, Certified Mail # 092 044 979

Mr. John Hainline, Cahokia ESDA, Certified Mail # 092 048 898

Mr. Tod Rowe, Manager Emergency Response Unit, IEPA, Certified Mail # 092 048 897

Mr. Tom Powell, Collinsville IEPA, Certified Mail # 092 049 044

From:

Tom Powell

To:

Juhl, Leona; Rowe, Tod

Date:

10/16/00 11:54AM

Subject:

# 00 1879 and 001020 St. Clair Co. Sauget // Solutia EDG Consideration

C"ville OCS/ERU suggests to refer to the BoL this release of chlorobenzene. The release impacted a secondary concrete containment structure that Solutia had discovered to be leaking from expansion joints into the soil etc. This is similar to incident # 001020 wherein benzene escaped to the soil via an excavated opening. Solutia is under a RCRA Corrective Action and post-closure activities pursuant to an 5-3-00 Administrative Order on Concent (AOC) between USEPA and Solutia, through the plant's Part B Permit application with IEPA.

CC:

Grant, Mike; Kelley, Cheryl; Search, Gina